

Recombinant Human ENPP1 Protein, GST-tagged

Cat. No. ENPP1-3321H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Human ENPP1 full-length ORF (NP_006199.1, 1 a.a. - 873 a.a.) recombinant protein with GST-tag at N-terminal.
Species	Human
Source	Wheat Germ
Description	This gene is a member of the ecto-nucleotide pyrophosphatase/phosphodiesterase (E NPP) family. The encoded protein is a type II transmembrane glycoprotein comprising two identical disulfide-bonded subunits. This protein has broad specificity and cleaves a variety of substrates, including phosphodiester bonds of nucleotides and nucleotide sugars and pyrophosphate bonds of nucleotides and nucleotide sugars. This protein may function to hydrolyze nucleoside 5' triphosphates to their corresponding monophosphates and may also hydrolyze diadenosine polyphosphates. Mutations in this gene have been associated with 'idiopathic' infantile arterial calcification, ossification of the posterior longitudinal ligament of the spine (OPLL), and insulin resistance. [provided by RefSeq, Jul 2008]
Molecular Mass	126.3 kDa
AA Sequence	MDVGEEPLEKAARARTAKDPNTYKVLVLVSVCLTTILGCIFGLKPSCAKEVKSCKG RCFERTFGNCRCDAAACVELGNCCLDYQETCIEPEHIWTCNKFRGCEKRLTRSLCAC SDDCKDKGDCCINYSSVCQGEKSWVEEPCESINEPQCPAGFETPPTLLFSLDGFRA EYLHTWGGLLPVISKLLKCGTYTKNMRPVYPTKTFPNHYSIVTGLYPESHGIIDNKMY

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DPKMNASFSLKSKEKFNPEWYKGEPWVTAKYQGLKSGTFFWPGSDVEINGIFPDIY
 KMYNGSVPFEERILAVLQWLQLPKDERPHFYTLYLEEPDSSGHSYGPVSSEVIKALQ
 RVDGMVGMMLMDGLKELNLHRCNLILISDHGMEQGSCKKYIYLNKYLGDVKNIKVIY
 GPAARLRPSDVPDKYYSFNYEGIARNLSCREPNQHFKPYLKHFLPKRLHFAKSDRIE
 PLTFYLDLPQWQLALNPSEKRYCGSGFHGSDNVFSNMQALFVGYPGFKHGIEADT
 FENIEVYNLMCDLLNLTPAPNNGTHGSLNHLLKNPVYTPKHPKEVHPLVQCPFTRNP
 RDNLGCSNPSILPIEDFQTQFNLTVAEEKIHKHETLPYGRPRVLQKENTICLLSQHQF
 MSGYSQDILMPLWTSYTVDRNDSFSTEDFSNCLYQDFRIPLSPVHKCSFYKNNTKV
 SYGFLSPPQLNKNSSGIYSEALLTTNIVPMYQSFQVIWRYFHDTLLRKYAEERNGVN
 VVSGPVDFDFDYDGRCDLENLRQKRRVIRNQEILIPTHFFIVLTSCKDTSTPLHCEN
 LDTLAFILPHRTDNSESCVHGKHDSSWVEELLMLHRARITDVEHITGLSFYQQRKEP
 VSDILKLKTHLPTFSQED

Applications

Enzyme-linked Immunoabsorbent Assay
 Western Blot (Recombinant protein)
 Antibody Production
 Protein Array

Notes

Best use within three months from the date of receipt of this protein.

Storage

Store at -80 centigrade. Aliquot to avoid repeated freezing and thawing.

Storage Buffer

50 mM Tris-HCl, 10 mM reduced Glutathione, pH=8.0 in the elution buffer.

GENE INFORMATION
Gene Name

ENPP1 ectonucleotide pyrophosphatase/phosphodiesterase 1 [Homo sapiens]

Official Symbol

ENPP1

Synonyms

ENPP1; ectonucleotide pyrophosphatase/phosphodiesterase 1; M6S1, NPPS,

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PDNP1; ectonucleotide pyrophosphatase/phosphodiesterase family member 1; PC 1; PCA1; E-NPP 1; Ly-41 antigen; alkaline phosphodiesterase 1; plasma-cell membrane glycoprotein 1; plasma-cell membrane glycoprotein PC-1; membrane component chromosome 6 surface marker 1; phosphodiesterase I/nucleotide pyrophosphatase 1; membrane component, chromosome 6, surface marker 1; M6S1; NPP1; NPPS; PC-1; ARHR2; PDNP1;

Gene ID 5167

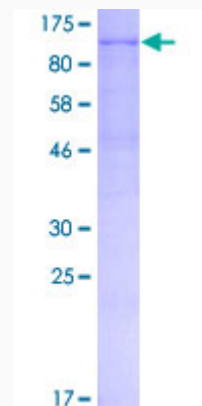
mRNA Refseq NM_006208

Protein Refseq NP_006199

MIM 173335

UniProt ID P22413

**Quality Control
Testing**



12.5% SDS-PAGE Stained with Coomassie Blue.

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